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COLLEGE OF AGRICULTURE

DEPARTMENT OF
ANIMAL SCIENCE

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July 30, 1969

Dr. Elmer P. Wheeler
Manager, Environmental Health
Monsanto Company
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

Dear Dr. Wheeler:

Thank you for the information in your letter of July 16. Your research project underway with polychlorinated biphenyls is impressive and I will be very interested to learn some of the forthcoming results. Regarding the question of "no effect" levels for induction of hepatic microsomal enzymes, our data may be useful to you and we would have no objection to providing you with copies of our manuscripts when they are ready.

One aspect of our study concerns the magnitude of residue storage in adipose tissue and qualitative changes in the stored material relative to that fed. I do not intend to pursue this deeply but will make an effort to provide reasonably quantitative interpretations. Perhaps I could compare notes with you on these points before we make our presentations.

I regret that you cannot provide pure isomers of the various biphenyls since our investigations of structure vs. activity would be considerably more enhanced by having pure isomers to study. Should your plans mature to visit in laboratories working with PCB materials we will be pleased if you can arrange to visit with us.

I have another question, somewhat related, which I will pose to you in the hope that you can direct it to the proper individual at Monsanto. We are making an extensive study of structure-activity relationships of hepatic enzyme inducing agents in the general class of diphenyl methane derivatives. I have been told that Monsanto has an interesting cyclopropane analogue of DDT [1-cyclopropyl-1,1-bis(parachlorophenyl)-methane], an experimental insecticide. We would appreciate a 1-5 gram sample of analytical reference grade to include in our studies if that could be arranged.

Thank you for your assistance.

Sincerely yours,

Joseph C. Street
Professor

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